

US DEPARTMENT OF AGRICULTURE  
FOREST SERVICE



*Northeastern Area*  
*State & Private Forestry*  
**DIVISION OF FOREST PEST CONTROL**

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S-69-47

December, 1969

RESULTS OF SARATOGA SPITTLEBUG SCAR-  
COUNT SURVEY - 1969 - HURON-MANISTEE NATIONAL FOREST

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INTRODUCTION

The Saratoga spittlebug, Aphrophora saratogensis (Fitch), is one of the major pests of young red pine plantations in the Lake States. The scars caused by adult feeding on pine branches are used to estimate the preceding season's damage, and to estimate next year's spittlebug population. The scar-count surveys are made annually on selected susceptible red pine plantations. This report is the result of the 1969 scar-count survey.

RESULTS AND DISCUSSION

The survey results and recommended action for each plantation is shown in Table I.<sup>1/</sup>

Three plantations surveyed have heavy scar-counts. Plantation 18-39 on the Baldwin R.D. and P-147 on the Tawas R.D. are not in any immediate danger of tree mortality but growth reduction and some flagging can be expected. Plantation 98-8 on the Mio R.D. has heavy scar-counts. Continued heavy damage in 1970 will intensify flagging and growth reduction can be expected. An intensive scar-count survey is being planned for the fall of 1970 of those susceptible plantations that have been planted prior to 1967.

RECOMMENDATIONS

Suppression of the infested plantations is not advised until the 1970 scar-count survey is completed.



<sup>1/</sup> For additional information, please contact the St. Paul Field Office.

TABLE I. RESULTS OF SARATOGA SPITTLEBUG SCAR-COUNT  
SURVEY - 1969 - HURON-MANISTEE NATIONAL FOREST

District & Plantation Id. No. <sup>1/</sup>	Location			Area	Trees		Survey Results	
	T	R	S	Acres	T/A	Ht./Ft.	Scars <sup>2/</sup>	Recommendations
<u>Baldwin Ranger District</u>								
18-39	19N	14W	30	31	300	14	H	Nymph - '70 <sup>3/</sup>
<u>Mio Ranger District</u>								
98-8	26N	1W	23	55	400	5	H	Nymph - '70 <sup>3/</sup>
<u>Tawas Ranger District</u>								
P-147	24N	4E	12	35	900	13	H	Nymph - '70 <sup>3/</sup>

<sup>1/</sup> xxx-xx = Compartment number - stand number  
P-xxx = Plantation number

<sup>2/</sup> Spittlebug scar-counts H-Heavy

<sup>3/</sup> Nymph-xx = Nymphal survey in year xx, if suppression is proposed; when no suppression, drop the plantation from future surveys.